

SWP Weekly Water Quality Summary

June 22 to June 29, 2010

Electrical Conductivity (EC): Concentrations increased at Harvey O. Banks Pumping Plant (HBP) and Vallecitos but decreased at Check 29, Check 41, and Barker Slough from June 22 to June 29, 2010. EC ranged from 230 to 517 $\mu\text{S}/\text{cm}$ (138 to 310 mg/L) and was below the Article 19 Monthly Average Objective of 733 $\mu\text{S}/\text{cm}$ (440 mg/L). Concentrations at HBP increased from 230 $\mu\text{S}/\text{cm}$ to 271 $\mu\text{S}/\text{cm}$ (138 to 164 mg/L) from June 22 to June 29, 2010. As of June 29, 2010, the lowest concentration of 232 $\mu\text{S}/\text{cm}$ (139 mg/L) occurred at Barker Slough, while the highest concentration of 414 $\mu\text{S}/\text{cm}$ (248 mg/L) occurred at Check 29.

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at all locations and ranged from 0.06 to 0.25 mg/L . As of June 29, Barker Slough had the lowest concentration of 0.06 mg/L , while the highest concentration of 0.13 mg/L occurred at Check 41.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels increased at HBP, Check 29, and Barker Slough, but decreased at Check 41 and Vallecitos from June 22 to June 29, 2010. Levels ranged from 6.7 NTU to 63.3 NTU. As of June 29, 2010, the lowest level of 6.7 NTU occurred at Check 41, while the highest level of 63.3 NTU occurred at Barker Slough. Turbidity levels at HBP increased from 15.4 NTU to 22.4 NTU as of June 29, 2010.

Dissolved Organic Carbon (DOC): Concentrations increased from 2.8 mg/L to 2.9 mg/L at HBP and from 3.2 mg/L to 3.6 mg/L at Check 13, but remained at 3.3 mg/L at Edmonston PP as of June 29, 2010.

Taste and Odor Compounds: As of June 21, 2010, MIB and geosmin concentrations in the SWP remain low, ranging from non-detect (<1 ng/L) to 2 ng/L at Clifton Court Inlet, HBP, O'Neill Outlet (Check 13), Del Valle Check 7, and Pacheco PP.

Ground water pump-ins to the California Aqueduct from June 22 to June 29, 2010 totaled 5,604 AF. The breakdown of the total volume was:

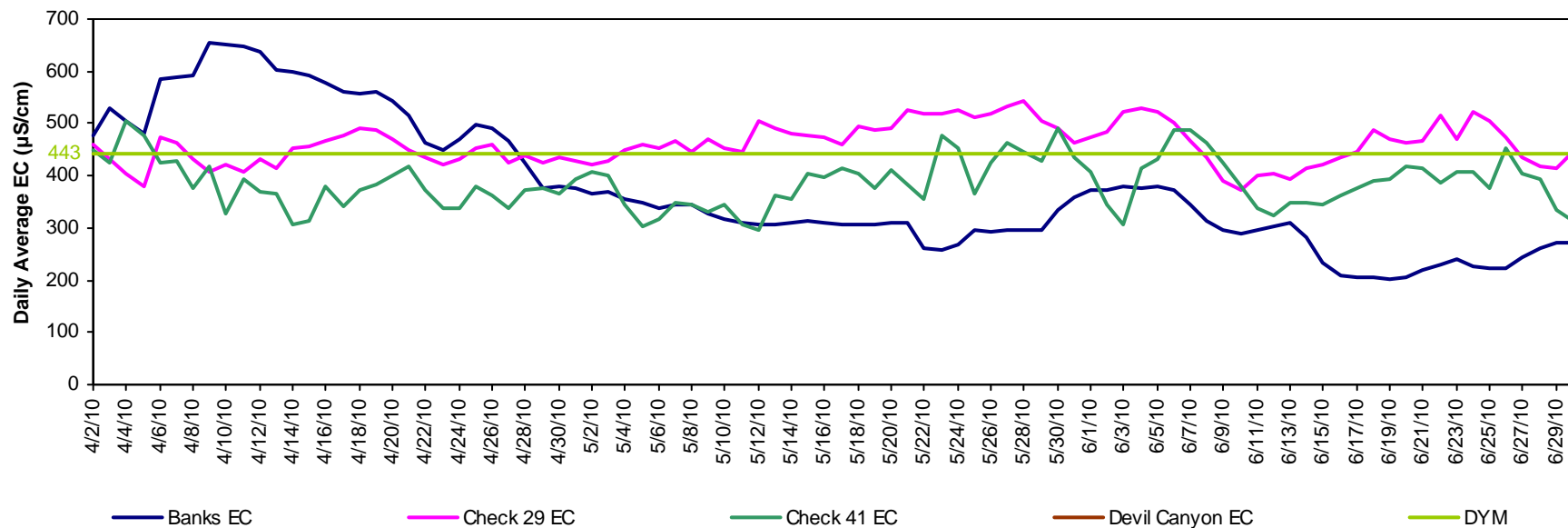
- Arvin-Edison Water Storage District = 1 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 1,259 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 1,195 AF
- Semitropic (2&3) Water Storage District = 3,149 AF
- Wheeler Ridge Maricopa Water Storage District = 0 AF

As of June 29, 2010, no data were available for Devil Canyon due to malfunctioning instruments.

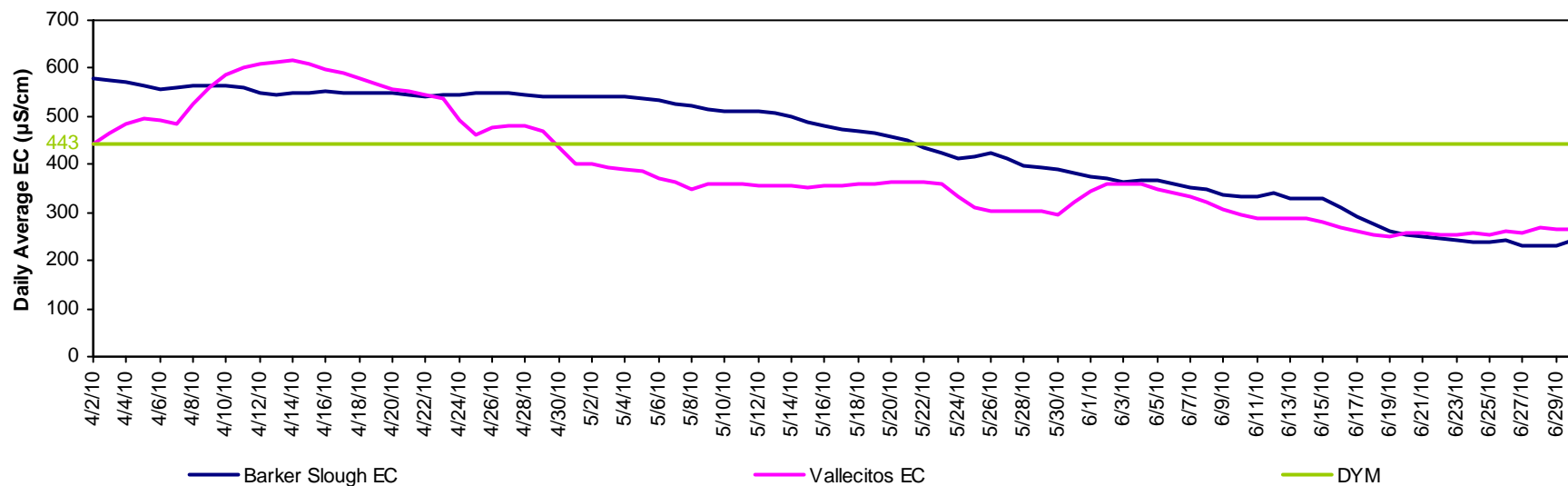
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

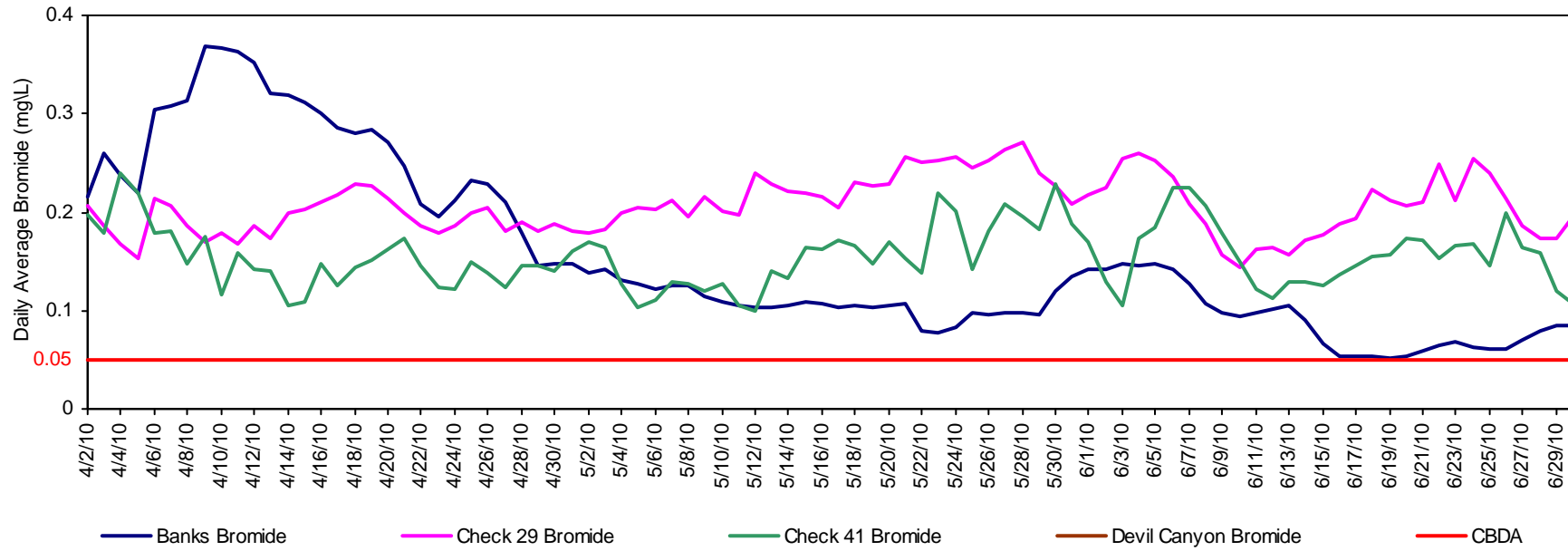
California Aqueduct - Electrical Conductivity



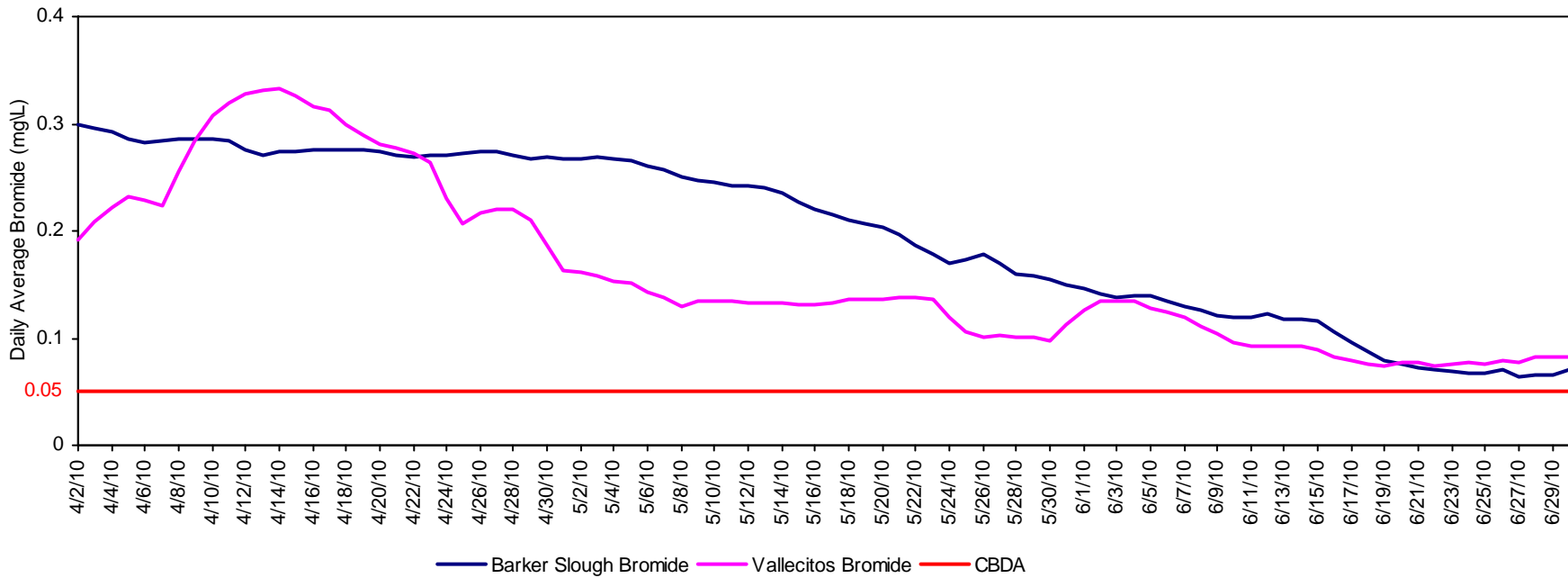
North and South Bay Aqueduct - Electrical Conductivity



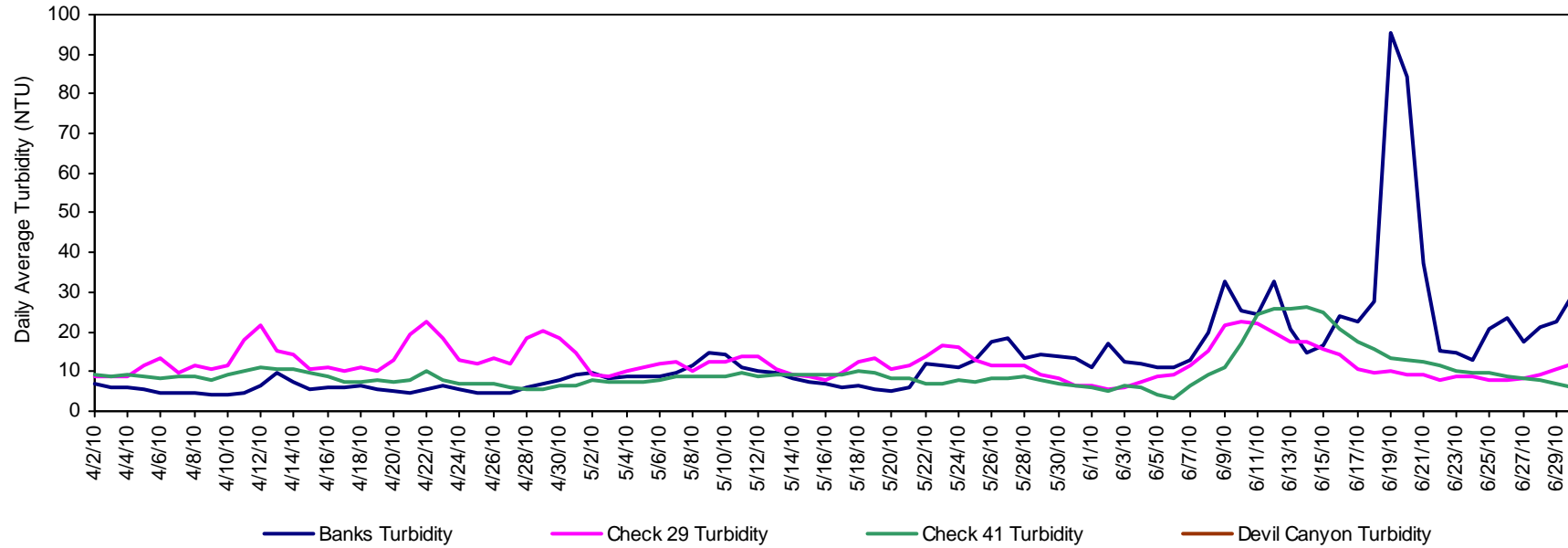
California Aqueduct - Calculated Bromide



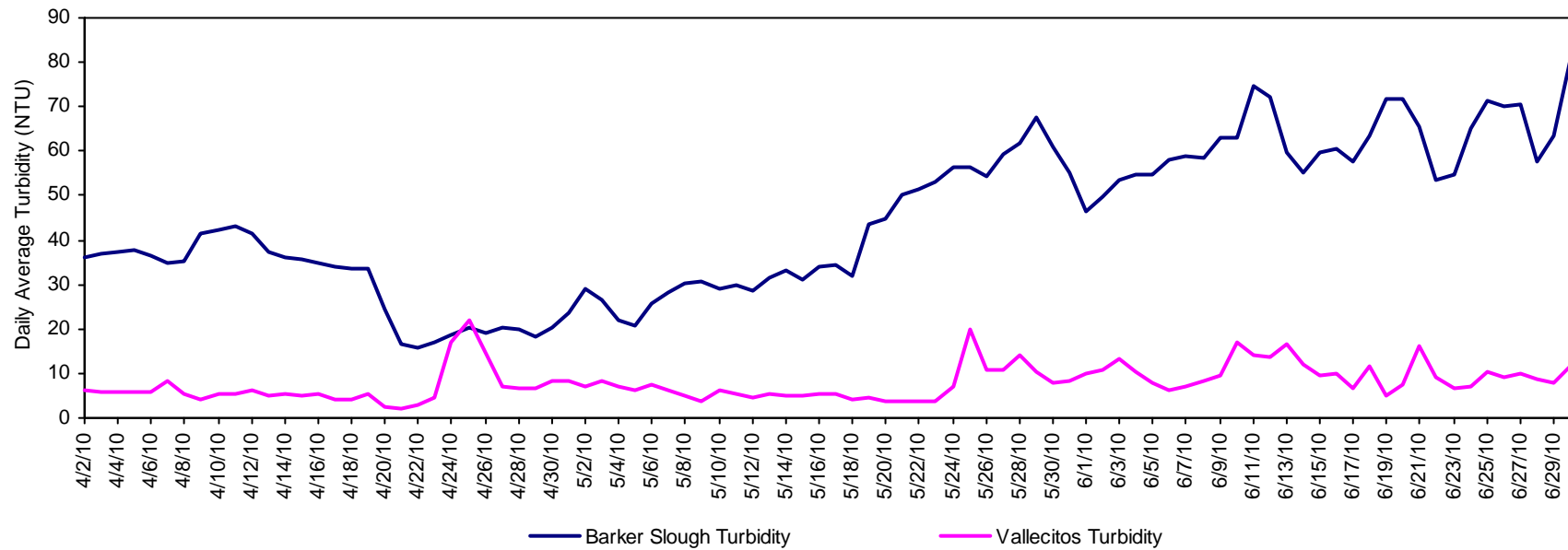
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon

